TRANSMITTAL OI	124	Docket No. 1457-1/GE3-0016					
In Re Application Of: Michael Bowman et al. FEB 2 4 2003 2							
Serial No. Filing Date Examiner Group Ar 10/065,985 December 6, 2002							
Title: METHOD, SYST	EM AND APPARATUS FOR COOL	ING HIGH POWER DENS	SITY DEV	ICES			
-	·		RE	CEIVED			
		ss to: ssioner for Patents , D.C. 20231	TECHNOL	OGY CENTER R3700			
	37 CFF	1.97(b)					
1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.							
	37 CFF	t 1.97(c)					
2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:							
☐ the staten	nent specified in 37 CFR 1.97(e);						
; a y	OR						
the fee se	et forth in 37 CFR 1.17(p).						
			Ç.				

							
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))					Docket No. 124457-1/GE3-0016		
In Re Application:	Michael Bowman et al.	FEB 2 4 2003 15					
Serial No.	Filing Date		Examiner		Group Art Unit	t	
10/065,985	December 6, 2002	THE TRACE STREET			3743		
METHOD, SYST	EM AND APPARATUS FO		H POWER DEN	SITY D	EVICES		
					RECEI	VΕΦ	
					FER 2.5	2003	
	(Only complete if Applic	Payment of Fee	fee set forth in 37	CFR 1.17	TECHNOLOGY CEN	NTER R3700	
as described belo Charge to Credit an Charge a Certificate of I certify that this docum account is being facsi Patent and Trademark (Date)	ommissioner is hereby authorow. A duplicate copy of this he amount of my overpayment. any additional fee required. Transmission by Facsimile* ment and authorization to charge dimile transmitted to the United Soffice (F Signature Name of Person Signing Certificate	Codeposit States I cert 2/18 as fi addre Wash	ertificate of Mailing ify that this docume 8/2003 ret class mail une essed to the Assista nington, D.C. 20231	nt and fewith the der 37 nt Comm	e is being deposited U.S. Postal Service C.F.R. 1.8 and is hissioner for Patents,		
Dan	ay only be used if paying by Signature	Dated:	February 18, 200)3			

RIFORMATION DISCLOSURE CITATION (Se several sheets if necessary)				ATTY DOCKET NO. SERIAL NO. 124457-1/GE3-0016 10/065,985						
				Michael Bowman et al.						
FEB 2 4 2003 15			FILING GROUP							
LER Z	<u>, </u>	} _	11.6	DATENT	December 6, 2002					
·EYAMINE IR	ME BERRY	,	DOCUMENTS		Т	FILING DAT				
*EXAMINE** INITIAL		DOCUMENT NUMBER	DATE		NAME ————————————————————————————————————	CLASS	SUBCLASS	IF APPROPRIATE		
					ECEIVED					
			-		EB 2 5 2003					
-				TECHN	IOLOGY CENTER R3700					
			-		-					
			FORE	IGN PATE	NT DOCUMENTS					
		DOCUMENT NUMBER DATE			COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO		
								123	NO .	
							_			
			 							
			 							
		OTHER DOCUME	ENTS (Includin	a Author	r, Title, Date, Pertinent F	Pages Ftc		J	<u> </u>	
			•	_				2002 Inter	Society	
		Abdel-Rahman, E. et al., "Size Considerations in Interfacing Thermoacoustic Coolers with Electronics", 2002 Inter Society Conference on Thermal Phenomena, pages 421-424. Afanas'yev, V.N. et al., "Thermohydraulics of Flow Over Isolated Depressions (Pits, Grooves) in a Smooth Wall", Heat Transfer Research, Vol. 25, No. 1, 1993, pages 22-56.								
					and Heat Transfer Characte 1993, pages 1-8. The Thermal Managment of 1395-402.					
EXAMINER				DATE CONSIDERED						
*FXAMINED:	Initial if re	ference considered wheth	er or not citation is	in conform	nance with MPEP 609; Draw I	ine through ci	tation if not in c	onformance	and not	
considered. I	nclude cor	py of this form with next co	mmunication to ap	plicant.	•	•				

Form PTO-A820 (also form PTO-1449)

FILING Dece		124457-1/GE3-0016 , SERIAL NO. 10/065,985 Michael Bowman et al.							
TEB 2 4 7003 Dece	vman et al.								
U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME RECEN	mber 6, 2002	GROUP							
RECEN									
RECEN	CLASS	SUBCLASS	FILING DATE						
			IF APPROPRI	AIE					
FED 9 5 2	/ED								
	2003			1					
TECHNOLOGY CEN	TER R3700	-							
FOREIGN PATENT DOCUMENT	rs			_					
DOCUMENT NUMBER DATE COUNTRY	CLASS	CLASS SUBCLASS	TRANSLATION YES NO						
OTHER DOCUMENTS (Including Author, Title, Date,	Pertinent Pages, Etc	 c.)	<u> </u>						
Chyu, M.K. et al., "Concavity Enhanced Heat Transfer in an Inte 97-GT-437, Orlando, 1997, pages 1-7.	rnal Cooling Passage",	IGTI Turbo Ex	po, Paper No)					
	Dickinson, Randall D. et al., "A System Design Approach to Liquid-Cooled Microprocessors", 2002 Inter Society Conference on Thermal Phenomena, pages 413-420.								
Gillespie, David R. H. et al., "Detailed Flow and Heat Transfer Co Geometry Employing Orthogonal Intersecting Channels", Paper 1 1-8.	pefficient Measurement No. 2000-GT-653, IGTI	s in a Model of a I Turbo Expo, M	in Internal C unich, 2000,	Cooling pages					
EXAMINER DATE CONSID	DERED								
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPER considered. Include copy of this form with next communication to applicant.	P 609; Draw line through	citation if not in c	onformance a	nd not					

Form PTO-A820 (also form PTO-1449)

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

. 791	RAMATION DISCLOSUR	124457-1/GE3-0016 SERIAL NO. 10/065,985 Michael Bowman et al.								
OIM	Use several sheets if nece									
FEB 2 4 2	(Z) we	FILING GROUP December 6, 2002								
·EXAMETER C	DOCUMENT NUMBER	DOCUMENT NUMBER DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
INITIAL							II ALLINOV	INATE		
-						<u> </u>				
			R	ECEIVED		<u> </u>				
-			F	EB 2 5 2003		<u> </u>				
•				OLOGY CENTER R3700	·	 		·		
			120111	ocour och ren novo		ļ	<u></u>			
					· - · -		·			
						<u> </u>				
						<u></u>	<u> </u>			
	 	FORE	IGN PATE	NT DOCUMENTS		1	TRANS	LATION		
	DOCUMENT NUMBER	DOCUMENT NUMBER DATE		COUNTRY	CLASS	SUBCLASS	YES	NO		
						1	-			
							<u> </u>			
		-					<u> </u>			
			ļ				<u> </u>			
	OTHER DOCUM			Title, Date, Pertinent P			No. 90-214	4. 26th		
į.				fer in Cooled Blades of Ga 1-5.						
	Heydari, Ali, "Miniati 2002 Inter Society Cor	re Vapor Compre	sssion Refr al Phenom	igeration Systems for Activena, pages 371-378.	e Cooling of	High Perforn	nance Com	puters'',		
	Kesarev, V.S. et al., "O Vol. 25, 1993, pages 15	Convective Heat Tr 66-160.	ransfer in T	Turbulized Flow Past a Hen	nispherical (Cavity'', Heat	Transfer R	esearch,		
EXAMINER			DATE CONSIDERED							
	nitial if reference considered, whet according to the copy of this form with next considered.			ance with MPEP 609; Draw li	ne through ci	tation if not in c	onformance	and not		

Form PTO-A820 (also form PTO-1449)

Copyright 1994-97 LegalStar

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE